

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 17:10:36 ON 18 JUN 2003

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FILE COVERS 1907 - 18 Jun 2003 VOL 138 ISS 25

FILE LAST UPDATED: 17 Jun 2003 (20030617/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L22

L6 1645 SEA FILE=HCAPLUS ABB=ON PAD#(L) (CMP OR POLISH? OR PLANARI?)
L7 12 SEA FILE=HCAPLUS ABB=ON L6 AND SOAK?
L8 3 SEA FILE=HCAPLUS ABB=ON (ZYTEL OR CANLON OR IC 100) (L) (CMP OR POLISH? OR PLANARI?)
L9 1 SEA FILE=HCAPLUS ABB=ON L8 AND SOAK?
L10 131 SEA FILE=HCAPLUS ABB=ON (L6 OR L8) AND (SEASON? OR CONDITIONI? OR EQUILIBR? OR ABSORB?)
L11 20 SEA FILE=HCAPLUS ABB=ON L10 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
L12 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 2-AMINO-"/CN
L13 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 1-AMINO-"/CN
L14 2 SEA FILE=REGISTRY ABB=ON L12 OR L13
L15 21535 SEA FILE=HCAPLUS ABB=ON L14
L16 3 SEA FILE=HCAPLUS ABB=ON L15 AND (L6 OR L8)
L17 70 SEA FILE=HCAPLUS ABB=ON (ETHANOL AMINE# OR ETHANOLAMINE# OR ?AMINE?) AND (L6 OR L8)
L18 34 SEA FILE=HCAPLUS ABB=ON L17 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
L19 63 SEA FILE=HCAPLUS ABB=ON L7 OR L9 OR L11 OR L16 OR L18
L22 62 SEA FILE=HCAPLUS ABB=ON L19 NOT CONCRETE

=> FILE WPIX

FILE 'WPIX' ENTERED AT 17:10:48 ON 18 JUN 2003

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FILE LAST UPDATED: 16 JUN 2003 <20030616/UP>

MOST RECENT DERWENT UPDATE: 200338 <200338/DW>

DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> NEW WEEKLY SDI FREQUENCY AVAILABLE --> see NEWS <<<

>>> SLART (Simultaneous Left and Right Truncation) is now

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available in the /ABEX field. An additional search field /BIX is also provided which comprises both /BI and /ABEX <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,
SEE <http://www.derwent.com/dwpi/updates/dwpicov/index.html> <<<

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PLEASE VISIT:
http://www.stn-international.de/training_center/patents/stn_guide.pdf <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
GUIDES, PLEASE VISIT:
http://www.derwent.com/userguides/dwpi_guide.html <<<

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?AMINE?) AND (L6 OR L8)
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WATER?)
L19 63 SEA FILE=HCAPLUS ABB=ON L7 OR L9 OR L11 OR L16 OR L18
L22 62 SEA FILE=HCAPLUS ABB=ON L19 NOT CONCRETE

=> FILE INSPEC

FILE 'INSPEC' ENTERED AT 17:10:59 ON 18 JUN 2003
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FILE LAST UPDATED: 16 JUN 2003 <20030616/UP>
FILE COVERS 1969 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
THE BASIC INDEX >>>

=> D QUE L33

L6 1645 SEA FILE=HCAPLUS ABB=ON PAD#(L) (CMP OR POLISH? OR PLANARI?)
L7 12 SEA FILE=HCAPLUS ABB=ON L6 AND SOAK?
L8 3 SEA FILE=HCAPLUS ABB=ON (ZYTEL OR CANLON OR IC 100) (L) (CMP OR
POLISH? OR PLANARI?)
L9 1 SEA FILE=HCAPLUS ABB=ON L8 AND SOAK?
L10 131 SEA FILE=HCAPLUS ABB=ON (L6 OR L8) AND (SEASON? OR CONDITIONI?
OR EQUILIBR? OR ABSORB?)

L11 20 SEA FILE=HCAPLUS ABB=ON L10 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
 L12 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 2-AMINO-"/CN
 L13 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 1-AMINO-"/CN
 L14 2 SEA FILE=REGISTRY ABB=ON L12 OR L13
 L15 21535 SEA FILE=HCAPLUS ABB=ON L14
 L16 3 SEA FILE=HCAPLUS ABB=ON L15 AND (L6 OR L8)
 L17 70 SEA FILE=HCAPLUS ABB=ON (ETHANOL AMINE# OR ETHANOLAMINE# OR ?AMINE?) AND (L6 OR L8)
 L18 34 SEA FILE=HCAPLUS ABB=ON L17 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
 L33 10 SEA FILE=INSPEC ABB=ON L7 OR L9 OR L11 OR L16 OR L18

=> FILE COMPENDEX

FILE 'COMPENDEX' ENTERED AT 17:11:10 ON 18 JUN 2003

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FILE LAST UPDATED: 16 JUN 2003

<20030616/UP>

FILE COVERS 1970 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
 THE BASIC INDEX >>>

=> D QUE L34

L6 1645 SEA FILE=HCAPLUS ABB=ON PAD#(L)(CMP OR POLISH? OR PLANARI?)
 L7 12 SEA FILE=HCAPLUS ABB=ON L6 AND SOAK?
 L8 3 SEA FILE=HCAPLUS ABB=ON (ZYTEL OR CANLON OR IC 100)(L)(CMP OR POLISH? OR PLANARI?)
 L9 1 SEA FILE=HCAPLUS ABB=ON L8 AND SOAK?
 L10 131 SEA FILE=HCAPLUS ABB=ON (L6 OR L8) AND (SEASON? OR CONDITIONI? OR EQUILIBR? OR ABSORB?)
 L11 20 SEA FILE=HCAPLUS ABB=ON L10 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
 L12 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 2-AMINO-"/CN
 L13 1 SEA FILE=REGISTRY ABB=ON "ETHANOL, 1-AMINO-"/CN
 L14 2 SEA FILE=REGISTRY ABB=ON L12 OR L13
 L15 21535 SEA FILE=HCAPLUS ABB=ON L14
 L16 3 SEA FILE=HCAPLUS ABB=ON L15 AND (L6 OR L8)
 L17 70 SEA FILE=HCAPLUS ABB=ON (ETHANOL AMINE# OR ETHANOLAMINE# OR ?AMINE?) AND (L6 OR L8)
 L18 34 SEA FILE=HCAPLUS ABB=ON L17 AND (AQ OR AQUEOUS? OR H2O OR WATER?)
 L34 10 SEA FILE=COMPENDEX ABB=ON L7 OR L9 OR L11 OR L16 OR L18

=> DUP REM L22 L32 L33 L34

FILE 'HCAPLUS' ENTERED AT 17:11:27 ON 18 JUN 2003

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PROCESSING COMPLETED FOR L22
PROCESSING COMPLETED FOR L32
PROCESSING COMPLETED FOR L33
PROCESSING COMPLETED FOR L34
L35 84 DUP REM L22 L32 L33 L34 (22 DUPLICATES REMOVED)

=> D L35 ALL 1-84

L35 ANSWER 1 OF 84 HCAPLUS COPYRIGHT 2003 ACS
AN 2003:376340 HCAPLUS
DN 138:347625
TI Design of a dressing apparatus for **conditioning** a
chemical-mechanical **polishing pad**
IN Chu, Ronfu; Tsao, Li-wu
PA Taiwan
SO U.S. Pat. Appl. Publ., 5 pp.
CODEN: USXXCO

DT Patent
LA English
IC ICM H01L021-302
ICS H01L021-461
NCL 438692000
CC 76-14 (Electric Phenomena)
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | US 2003092270 | A1 | 20030515 | US 2002-153348 | 20020521 |
| PRAI | TW 2001-90128314 | A | 20011115 | | |

AB The invention relates to the design of a dressing app. for
conditioning a chem.-mech. **polishing** (CMP)
pad. The dresser includes (i) a substrate; (ii) a first
conductive layer and a second conductive layer resp. disposed and isolated
in the substrate; (iii) a plurality of diamonds mounted in the first
conductive layer and the second conductive layer; and (iv) a bonding layer
disposed on the substrate for attaching the diamonds. The first
conductive layer and the second conductive layer detect the conductive
materials penetrating the original position of the diamonds when any of
the diamonds dislodges, so as to det. the diamonds dislodgement.

ST dressing app **conditioning** chem mech **polishing**
pad

IT **Polishing**
(app.; design of a dressing app. for **conditioning** a
chem.-mech. **polishing pad**)

IT Alloys, uses
Metals, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(conductive film; design of a dressing app. for **conditioning**
a chem.-mech. **polishing pad**)

IT Electric circuits
Short circuits
(diamond dislodging detected by; design of a dressing app. for